



Invasive Methicillin-Sensitive Staphylococcus aureus Healthcare-Associated Infections Community Interface (HAIC) Case Report – 2022

Form Approved
OMB No. 0920-0978
Expires xx/xx/xxxx

Patient's Name:			Phone No.: ()		
Address:		Address Type:		MRN:	
City:		State:		ZIP:	
				Hospital:	
— PATIENT IDENTIFIER INFORMATION IS NOT TRANSMITTED TO CDC —					
1. STATE:		2. COUNTY:		3. STATE ID:	
4. PATIENT ID:		5. LABORATORY ID WHERE INCIDENT SPECIMEN IDENTIFIED:		6. FACILITY ID WHERE PATIENT TREATED:	
7. SEX		8. DATE OF BIRTH:		10. RACE: (Check all that apply)	
1 Male 2 Female		____ - ____ - ____		1 American Indian or Alaska Native 1 Native Hawaiian or Other Pacific Islander	
9 Missing value		9. AGE		1 Asian 1 White	
		1 Days 2 Mos. 3 Years		1 Black or African American 1 Unknown	
12. WEIGHT:		13. HEIGHT:		14. BMI (record only if ht. and/or wt. is not available)	
____ lbs. ____ oz. OR ____ kg.		____ ft. ____ in. OR ____ cm. 1		____ 1 Unknown	
1 Unknown		1 Unknown			
15. DATE OF INCIDENT SPECIMEN COLLECTION (DISC):			16. WAS THE PATIENT HOSPITALIZED AT THE TIME OF OR IN THE 29 CALENDAR DAYS AFTER, THE DISC?		
____ - ____ - ____			1 Yes 2 No 9 Unknown IF YES, date of admission: ____ - ____ - ____		
17. WAS INCIDENT SPECIMEN COLLECTED 3 OR MORE CALENDAR DAYS AFTER HOSPITAL ADMISSION?			1 Yes (HO-MSSA case) 2 No (CA-MSSA or HACO-MSSA case)		
1 Yes 2 No 9 Unknown					
18. INCIDENT SPECIMEN COLLECTION SITE: (Check all that apply)					
1 Blood 1 Bone 1 CSF 1 Internal body site (specify): _____ 1 Joint/Synovial fluid 1 Muscle					
1 Pericardial fluid 1 Peritoneal fluid 1 Pleural fluid 1 Other normally sterile site (specify): _____					
19. LOCATION OF SPECIMEN COLLECTION:					
1 Outpatient 1 Inpatient 5 LTCF					
Facility ID: _____		Facility ID: _____		Facility ID: _____	
3 Emergency room 1 ICU		13 LTACH			
8 Clinic/doctor's office 6 OR		Facility ID: _____			
15 Dialysis center 7 Radiology		14 Autopsy			
11 Surgery 2 Other Inpatient		10 Other (specify): _____			
16 Observation/Clinical decision unit		9 Unknown			
4 Other outpatient					
20. WERE CULTURES OS THE SAME OR OTHER STERILE SITES(S) POSITIVE WITHIN 29 DAYS AFTER DISC?					
1 Yes 2 No 9 Unknown					
IF YES, INDICATE SITE AND DATE OF LAST POSITIVE CULTURE:					
1 Blood 1 Bone 1 CSF		Date: _____		Date: _____	
1 Internal body site 1 Joint/Synovial fluid 1 Muscle		Date: _____		Date: _____	
1 Peritoneal fluid 1 Pericardial fluid 1 Pleural fluid		Date: _____		Date: _____	
1 Other normally sterile site (specify): _____		Date: _____			
21. DATE OF FIRST SA BLOOD CULTURE AFTER WHICH SA NOT ISOLATED FOR 14 DAYS: ____ - ____ - ____					
22. SUSCEPTIBILITY RESULTS [S=Sensitive (1), I=Intermediate (2), R=Resistant (3), U=Unknown/Not Reported (9)]					
Cefazolin 1 S 2 I 3 R 9 U Cefoxitin 1 S 3 R 9 U Clindamycin 1 S 2 I 3 R 9 U					
Nafcillin 1 S 2 I 3 R 9 U Oxacillin 1 S 3 R 9 U Trimethoprim-Sulfamethoxazole 1 S 2 I 3 R 9 U					
Vancomycin 1 S 2 I 3 R 9 U					
23. WHERE WAS THE PATIENT LOCATED ON THE 3RD CALENDAR DAY BEFORE THE DISC?					
1 Private residence 1 LTACH Facility ID: _____		1 Homeless		1 Incarcerated	
1 LTCF Facility ID: _____		1 Other (specify): _____			
1 Hospital Inpatient Facility ID: _____					
Was patient transferred from this hospital?					
1 Yes 2 No 9 Unknown		1 Unknown			
24. IF CASE IS ≤12 MONTHS OF AGE, TYPE OF BIRTH HOSPITALIZATION:					
1 NICU/SCN 2 Well Baby Nursery 9 Unknown					
25. IF PATIENT <2 YEARS OF AGE WERE THEY BORN PREMATURE (<37 WEEKS GESTATION)?					
1 Yes 2 No 9 Unknown					
IF YES, birth weight: ____ lbs. ____ oz. OR ____ g. OR 1 Unknown birth weight					
IF YES, estimated gestational age: ____ weeks OR 1 Unknown gestational age					

Public reporting burden of this collection of information is estimated to average 28 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to CDC/ATSDR Reports Clearance Officer; 1600 Clifton Road NE, MS D-74, Atlanta, Georgia 30329; ATTN: PRA (0920-0978).

26. WAS THE PATIENT IN AN ICU IN THE 2 DAYS BEFORE THE DISC? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 9 <input type="checkbox"/> Unknown IF YES, date of ICU admission: ____ - ____ - ____ OR 1 <input type="checkbox"/> Date Unknown	27. WAS THE PATIENT IN AN ICU ON THE DISC OR IN THE 2 DAYS AFTER THE DISC? 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 9 <input type="checkbox"/> Unknown IF YES, date of ICU admission: ____ - ____ - ____ OR 1 <input type="checkbox"/> Date Unknown
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28. TYPES OF MSSA INFECTION ASSOCIATED WITH CULTURE(S): (Check all that apply) 1 ☐ None 1 ☐ Unknown

1 <input type="checkbox"/> Abscess (not skin)	1 <input type="checkbox"/> Cellulitis	1 <input type="checkbox"/> Epidural Abscess	1 <input type="checkbox"/> Septic Arthritis	1 <input type="checkbox"/> Surgical Site (Internal)	
1 <input type="checkbox"/> AV Fistula/Graft Infection	1 <input type="checkbox"/> Chronic Ulcer/Wound (non-decubitus)	1 <input type="checkbox"/> Meningitis	1 <input type="checkbox"/> Septic Emboli	1 <input type="checkbox"/> Traumatic Wound	
1 <input type="checkbox"/> Bacteremia	1 <input type="checkbox"/> Decubitus/Pressure Ulcer	1 <input type="checkbox"/> Peritonitis	1 <input type="checkbox"/> Septic Shock	1 <input type="checkbox"/> Urinary Tract	
1 <input type="checkbox"/> Bursitis	1 <input type="checkbox"/> Empyema	1 <input type="checkbox"/> Pneumonia	1 <input type="checkbox"/> Skin Abscess	1 <input type="checkbox"/> Other: (specify)	
1 <input type="checkbox"/> Catheter Site Infection	1 <input type="checkbox"/> Endocarditis	1 <input type="checkbox"/> Osteomyelitis	1 <input type="checkbox"/> Surgical Incision	_____	_____

29. UNDERLYING CONDITIONS: (Check all that apply) 1 ☐ None 1 ☐ Unknown

CHRONIC LUNG DISEASE 1 <input type="checkbox"/> Cystic fibrosis 1 <input type="checkbox"/> Chronic pulmonary disease CHRONIC METABOLIC DISEASE 1 <input type="checkbox"/> Diabetes mellitus 1 <input type="checkbox"/> With chronic complications CARDIOVASCULAR DISEASE 1 <input type="checkbox"/> CVA/Stroke/TIA 1 <input type="checkbox"/> Congenital heart disease 1 <input type="checkbox"/> Congestive heart failure 1 <input type="checkbox"/> Myocardial infarction 1 <input type="checkbox"/> Peripheral vascular disease (PVD) GASTROINTESTINAL DISEASE 1 <input type="checkbox"/> Diverticular disease 1 <input type="checkbox"/> Inflammatory bowel disease 1 <input type="checkbox"/> Peptic ulcer disease 1 <input type="checkbox"/> Short gut syndrome	IMMUNOCOMPROMISED CONDITION 1 <input type="checkbox"/> HIV infection 1 <input type="checkbox"/> AIDS/CD4 count <200 1 <input type="checkbox"/> Primary immunodeficiency 1 <input type="checkbox"/> Transplant, hematopoietic stem cell 1 <input type="checkbox"/> Transplant, solid organ LIVER DISEASE 1 <input type="checkbox"/> Chronic liver disease 1 <input type="checkbox"/> Ascites 1 <input type="checkbox"/> Cirrhosis 1 <input type="checkbox"/> Hepatic encephalopathy 1 <input type="checkbox"/> Variceal bleeding 1 <input type="checkbox"/> Hepatitis C 1 <input type="checkbox"/> Treated, in SVR 1 <input type="checkbox"/> Current, chronic	MALIGNANCY 1 <input type="checkbox"/> Malignancy, hematologic 1 <input type="checkbox"/> Malignancy, solid organ (non-metastatic) 1 <input type="checkbox"/> Malignancy, solid organ (metastatic) NEUROLOGIC CONDITION 1 <input type="checkbox"/> Cerebral palsy 1 <input type="checkbox"/> Chronic cognitive deficit 1 <input type="checkbox"/> Dementia 1 <input type="checkbox"/> Epilepsy/seizure/seizure disorder 1 <input type="checkbox"/> Multiple sclerosis 1 <input type="checkbox"/> Neuropathy 1 <input type="checkbox"/> Parkinson's Disease 1 <input type="checkbox"/> Other (specify): _____ _____	RENAL DISEASE 1 <input type="checkbox"/> Chronic kidney disease Lowest serum creatinine: _____mg/DL 1 <input type="checkbox"/> Unknown or not done SKIN CONDITION 1 <input type="checkbox"/> Burn 1 <input type="checkbox"/> Decubitus/pressure ulcer 1 <input type="checkbox"/> Surgical wound 1 <input type="checkbox"/> Other chronic ulcer or chronic wound 1 <input type="checkbox"/> Other skin condition (specify): _____ _____
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OTHER
1 ☐ Connective tissue disease
1 ☐ Obesity or morbid obesity
1 ☐ Pregnant
1 ☐ Other (specify only for cases ≤ 12 months of age): _____

30. WAS THE PATIENT HOMELESS IN THE YEAR BEFORE DISC? 1 ☐ Yes 2 ☐ No 9 ☐ Unknown

31. SUBSTANCE USE:

SMOKING: 1 <input type="checkbox"/> None 1 <input type="checkbox"/> Unknown 1 <input type="checkbox"/> Tobacco 1 <input type="checkbox"/> E-nicotine delivery system 1 <input type="checkbox"/> Marijuana	ALCOHOL ABUSE: 1 <input type="checkbox"/> Yes 2 <input type="checkbox"/> No 9 <input type="checkbox"/> Unknown
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OTHER SUBSTANCES (CHECK ALL THAT APPLY): 1 ☐ None 1 ☐ Unknown

DOCUMENTED USE DISORDER (DUD/ABUSE): 1 <input type="checkbox"/> Marijuana, cannabinoid (other than smoking) 1 <input type="checkbox"/> Opioid, DEA schedule I (e.g., Heroin) 1 <input type="checkbox"/> Opioid, DEA schedule II-IV (e.g., methadone, oxycodone) 1 <input type="checkbox"/> Opioid, NOS 1 <input type="checkbox"/> Cocaine 1 <input type="checkbox"/> Methamphetamine 1 <input type="checkbox"/> Other (specify): _____ _____	1 <input type="checkbox"/> DUD or abuse 1 <input type="checkbox"/> DUD or abuse 1 <input type="checkbox"/> DUD or abuse 1 <input type="checkbox"/> DUD or abuse 1 <input type="checkbox"/> DUD or abuse 1 <input type="checkbox"/> DUD or abuse 1 <input type="checkbox"/> DUD or abuse 1 <input type="checkbox"/> DUD or abuse	MODE OF DELIVERY (Check all that apply): 1 <input type="checkbox"/> IDU 1 <input type="checkbox"/> Skin popping 1 <input type="checkbox"/> Non-IDU 1 <input type="checkbox"/> Unknown 1 <input type="checkbox"/> IDU 1 <input type="checkbox"/> Skin popping 1 <input type="checkbox"/> Non-IDU 1 <input type="checkbox"/> Unknown 1 <input type="checkbox"/> IDU 1 <input type="checkbox"/> Skin popping 1 <input type="checkbox"/> Non-IDU 1 <input type="checkbox"/> Unknown 1 <input type="checkbox"/> IDU 1 <input type="checkbox"/> Skin popping 1 <input type="checkbox"/> Non-IDU 1 <input type="checkbox"/> Unknown 1 <input type="checkbox"/> IDU 1 <input type="checkbox"/> Skin popping 1 <input type="checkbox"/> Non-IDU 1 <input type="checkbox"/> Unknown 1 <input type="checkbox"/> IDU 1 <input type="checkbox"/> Skin popping 1 <input type="checkbox"/> Non-IDU 1 <input type="checkbox"/> Unknown 1 <input type="checkbox"/> IDU 1 <input type="checkbox"/> Skin popping 1 <input type="checkbox"/> Non-IDU 1 <input type="checkbox"/> Unknown 1 <input type="checkbox"/> IDU 1 <input type="checkbox"/> Skin popping 1 <input type="checkbox"/> Non-IDU 1 <input type="checkbox"/> Unknown
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DURING THE CURRENT HOSPITALIZATION DID THE PATIENT RECEIVE MEDICATION ASSISTED TREATMENT (MAT) FOR OPIOID USE DISORDER?

1 ☐ Yes 2 ☐ No
9 ☐ N/A (patient not hospitalized or did not have DUD)

32. PRIOR HEALTHCARE EXPOSURE(S):

PREVIOUS DOCUMENTED MRSA INFECTION OR COLONIZATION

1 ☐ Yes 2 ☐ No 9 ☐ Unknown

If YES: _____ OR previous STATE I.D.: _____
Month Year

PREVIOUS HOSPITALIZATION IN THE YEAR BEFORE DISC

1 ☐ Yes 2 ☐ No 9 ☐ Unknown

If YES, DATE OF DISCHARGE CLOSEST TO DISC: ____ - ____ - ____

OR, 1 ☐ Date unknown

Facility ID: _____

OVERNIGHT STAY IN LTACH IN THE YEAR BEFORE DISC

1 ☐ Yes 2 ☐ No 9 ☐ Unknown

Facility ID _____

OVERNIGHT STAY IN LTCF IN THE YEAR BEFORE DISC

1 ☐ Yes 2 ☐ No 9 ☐ Unknown

Facility ID _____

SURGERY IN THE YEAR BEFORE DISC 1 ☐ Yes 2 ☐ No 9 ☐ Unknown

IF YES, list the surgeries and dates of surgery that occurred within 90 days prior to the DISC:

Surgery

Date

1. _____ - ____ - ____
2. _____ - ____ - ____
3. _____ - ____ - ____
4. _____ - ____ - ____

CENTRAL LINE IN PLACE ON THE DISC (UP TO THE TIME OF COLLECTION), OR AT ANY TIME IN THE 2 CALENDAR DAYS BEFORE DISC

1 ☐ Yes 2 ☐ No 9 ☐ Unknown

CHECK HERE if central line in place for >2 calendar days 1 ☐

DIALYSIS IN THE YEAR BEFORE DISC (Hemodialysis or Peritoneal dialysis)

1 ☐ Yes 2 ☐ No 9 ☐ Unknown

CURRENT CHRONIC DIALYSIS 1 ☐ Yes 2 ☐ No 9 ☐ Unknown

TYPE: 1 ☐ Hemodialysis 1 ☐ Peritoneal 1 ☐ Unknown

IF HEMODIALYSIS, type of vascular access:

1 ☐ AV fistula/graft 1 ☐ Hemodialysis central line 1 ☐ Unknown

33. PATIENT OUTCOME 1 ☐ Survived

DATE OF DISCHARGE: ____ - ____ - ____ OR 1 ☐ Date Unknown

1 ☐ Left against medical advice (AMA)

IF SURVIVED, DISCHARGED TO:

1 ☐ Private Residence

4 ☐ Other (specify): _____

2 ☐ LTCF Facility ID: _____

3 ☐ LTACH Facility ID: _____

9 ☐ Unknown

2 ☐ Died

9 ☐ Unknown

DATE OF DEATH: ____ - ____ - ____ OR 1 ☐ Date Unknown

ON THE DAY OF OR IN THE 6 CALENDAR DAYS BEFORE DEATH, WAS THE PATHOGEN OF INTEREST ISOLATED FROM A SITE THAT MEETS THE CASE DEFINITION?

1 ☐ Yes 2 ☐ No 9 ☐ Unknown

34a. DID THE PATIENT HAVE A POSITIVE TEST(S) FOR SARS-CoV-2 (MOLECULAR ASSAY, SEROLOGY OR OTHER CONFIRMATORY TEST) IN THE YEAR BEFORE OR DAY OF THE DISC?

1 ☐ Yes 2 ☐ No 9 ☐ Unknown

IF YES, complete below for MOST RECENT positive test for SARS-CoV-2 in the year before or day of the DISC:

Specimen collection date:

____ - ____ - ____

1 ☐ Unknown

Test Type:

1 ☐ Antigen

1 ☐ Molecular assay

1 ☐ Serology

1 ☐ Method unknown

1 ☐ Other (specify): _____

COVID-NET CASE IDs: _____

NNDSS IDs (please provide at least one of the following when applicable):

Local record ID: _____

CDC 2019 NCOV ID: _____

State case identifier: _____

Local case ID: _____

Legacy case identifier: _____

34. WAS CASE FIRST IDENTIFIED THROUGH AUDIT?

1 ☐ Yes 2 ☐ No

9 ☐ Unknown

35. CRF STATUS:

1 ☐ Complete

2 ☐ Incomplete

3 ☐ Edited & Correct

4 ☐ Chart unavailable after 3 requests

36. DOES THIS CASE HAVE RECURRENT MRSA DISEASE?

1 ☐ Yes 2 ☐ No

9 ☐ Unknown

IF YES, PREVIOUS (1ST) STATE I.D.

37. DATE REPORTED TO EIP SITE:

____ - ____ - ____

38. DATE ABSTRACTION:

____ - ____ - ____

39. S.O. INITIALS:

40. COMMENTS: